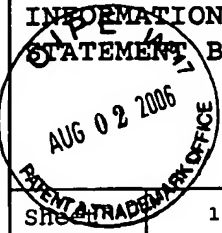


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PTO/SB/08B (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  				Application Number	10/790,959
				Filing Date	March 1, 2004
				First Named Inventor	Takemori TAKAYAMA
				Group Art Unit	1742
				Examiner Name	Deborah YEE
Sheet 1 of 1	Attorney Docket Number		03733/HG		

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
04		"HEAT TREATMENT OF STEEL" (5th Edition), Edited by: The Iron and Steel Institute of Japan, Publ. Office: Maruzen Co., Ltd., March 15, 1985, pages 44 to 46 and 110.	
<div style="display: flex; justify-content: space-between;"> <div>Examiner Signature</div> <div>Deborah Yee</div> <div>Date Considered</div> <div>8-14-06</div> </div>			

\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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\*ENGLISH-LANGUAGE TRANSLATION ENCLOSED

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO

Application Number

10/790,959

Filed

March 1, 2004

First Named Inventor

Takemori TAKAYAMA

Group Art Unit

1742

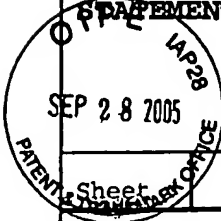
Examiner Name

Deborah YEE

Attorney Docket Number

03773/HG

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**



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of

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**U.S. PATENT DOCUMENTS**

Exam. Inits <sup>*</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
D1		2004/0256029	A1	TAKAYAMA et al.	12-23-2004	
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Exam Inits <sup>*</sup>	Cite No <sup>1</sup>	offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
D1		JP	8-3629	A	MURAI	01-09-1996		*
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		JP	2-175836	A	TODA	07-09-1990		*

Examiner Signature

Deborah Yee

Date

Considered

7-14-05

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number		10/790,959	
				Filing Date		March 1, 2004	
				First Named Inventor		Takemori TAKAYAMA	
				Group Art Unit		1742	
				Examiner Name		Deborah YEE	
Sheet	2	of	2	Attorney Docket Number		03773/HG	
<b>OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS</b>							
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01		BRICK et al., "Structure and Properties of Engineering Materials," Martensite Transformation in Iron-Carbon Alloys, 4th Edition, (1978), pp. 152-154.					
Examiner Signature		Deborah Yee		Date Considered		7-14-06	

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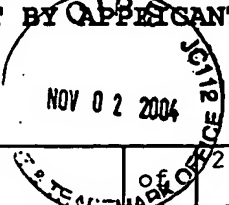
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		Filing Date	March 1, 2004
		First Named Inventor	T. TAKAYAMA
		Group Art Unit	1742
		Examiner Name	Not Yet Assigned <i>Yel</i>
Sheet 1	2	Attorney Docket Number	03773/LH

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Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
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Exam Inits <sup>1</sup>	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
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	E	JP	2004-076125	A	KOMATSU LTD.	03-11-2004		X*
			*English Language Abstract only					

Examiner Signature	<i>Deborah Yel</i>	Date Considered	<i>7-14-06</i>
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Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/790,959
				Filing Date	March 1, 2004
				First Named Inventor	T. TAKAYAMA
				Group Art Unit	
				Examiner Name	Not Yet Assigned
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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
D.Y.	F	Related U.S. Patent Application Serial No. 10/790,931, filed March 1, 2004; Inventor: T. TAKAYAMA et al.; Title: ROLLING ELEMENT AND METHOD OF PRODUCING THE SAME.			
	G	"HEAT TREATMENT OF STEEL" (5 <sup>TH</sup> Edition) Edited by: The Iron and Steel Institute of Japan, Publ. Office: Maruzen Co., Ltd., March 15, 1985			
Examiner Signature	Deborah Hill			Date Considered	7-14-06

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Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/790,959
				Filing Date	March 1, 2004
				First Named Inventor	Takemori TAKAYAMA
				Group Art Unit	1742
				Examiner Name	Deborah YEE
Sheet	1	of	1	Attorney Docket Number	03773/HG

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Exam. Initials*	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
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		4,992,111		YAMADA et al.	2-12-1991	
		2004/0047757 10/391,732	A1	TAKAYAMA	3-11-2004	

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Examiner Signature	Deborah Yee				Date Considered	7-14-06		

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				Filing Date		Herewith
				First Named Inventor		TAKAYAMA
				Group Art Unit		1742
				Examiner Name		Yee
Sheet	1	of	2	Attorney Docket Number		04005/LH

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		JP	64-004459	A	ITABE ET AL	01-09-1989		X*
		JP	10-176219	A	TAKAYAMA ET AL	06-30-1998		X*
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		JP	2000-204464	A	HAMASAKA ET AL	07-25-2000		X*
		JP	2003-027181	A	TAKAYAMA ET AL	01-29-2003		X*
		JP	2003-328078	A	TAKAYAMA	11-19-2002		X*
			*English abstract attached.					

Examiner Signature	Deborah Yee	Date Considered	7-14-02
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Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number			
		Filing Date		Herewith	
		First Named Inventor		TAKAYAMA	
		Group Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	03773/LH
<b>OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS</b>					
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PY		K. KOMINE et al; ON RELATIONSHIP BETWEEN HALF VALUE BREADTH AND HARDNESS OF QUENCHED-TEMPERED STEELS ; Materials Vol. 26, No.280, P26 issued by Society of Materials, Japan, pp. 24-30. <i>January 15, 1977</i>			
Examiner Signature	Deborah Lee		Date Considered	7-14-06	

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